

THIRD-ORDER LEVELING
NATIONAL GEODETIC VERTICAL DATUM OF 1929

36-086-14
BURKESVILLE QUADRANGLE
39 KENTUCKY
N3645-W8615/15
DIAGRAM NJ 16-12
CORBIN

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Adair, Cumberland, and
Metcalf Counties, Kentucky

Final adjustment of 1973

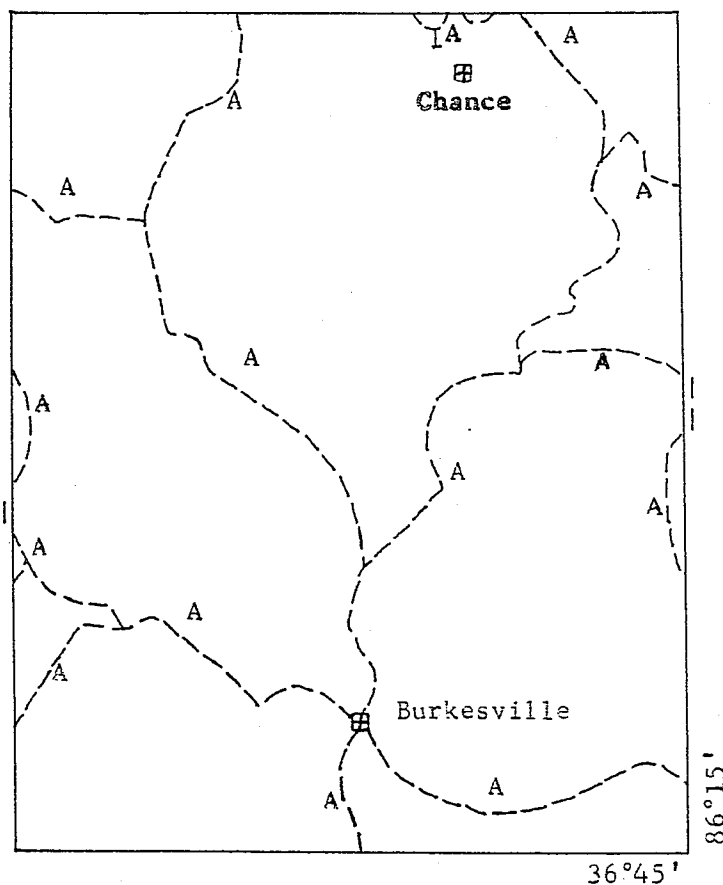
Edition of 5/21/74

PR: DSW/sws

COLUMBIA
(67)

EDMONTON
(40)

JAMESTOWN
(38)



LILLYDALE
(205 TENN. - 11 KY.)

NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 360851

39 KENTUCKY
BURKESVILLE QUADRANGLE

36-086-14
N3645-W8615/15

INDEX OF PERMANENT MARKS

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ISOLATED BENCH MARKS (By A. P. Meade, 1929; Book B2490)

Feet

Tobin, or Champs, Shoals, on left bank about 0.4 mi above head of, in gully between two mountains, about 0.3 mi from river and about 300 ft directly back of house of Sam B. Mullinix; casting in our crop of rock; USED P B M NO 17

576.018

Burnside, about 105.25 mi below, 0.5 mi above Arat; iron casting in lowest one of series of rock ledges; USED P B M NO 18

607.158

Arat, 0.4 mi S. of, 400 ft S. of J. E. Cary's store, 58 ft NE. of vacant store, 20 ft W. of rd. and 20 ft E. of branch, on grassy knoll, in concrete post; standard tablet stamped
"P T 21 M 1926 RESET 1940"

565.979

HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

36-085-14
BURKESVILLE QUADRANGLE
39 KENTUCKY
N3645-W8515/15
DIAGRAM NJ 16-12
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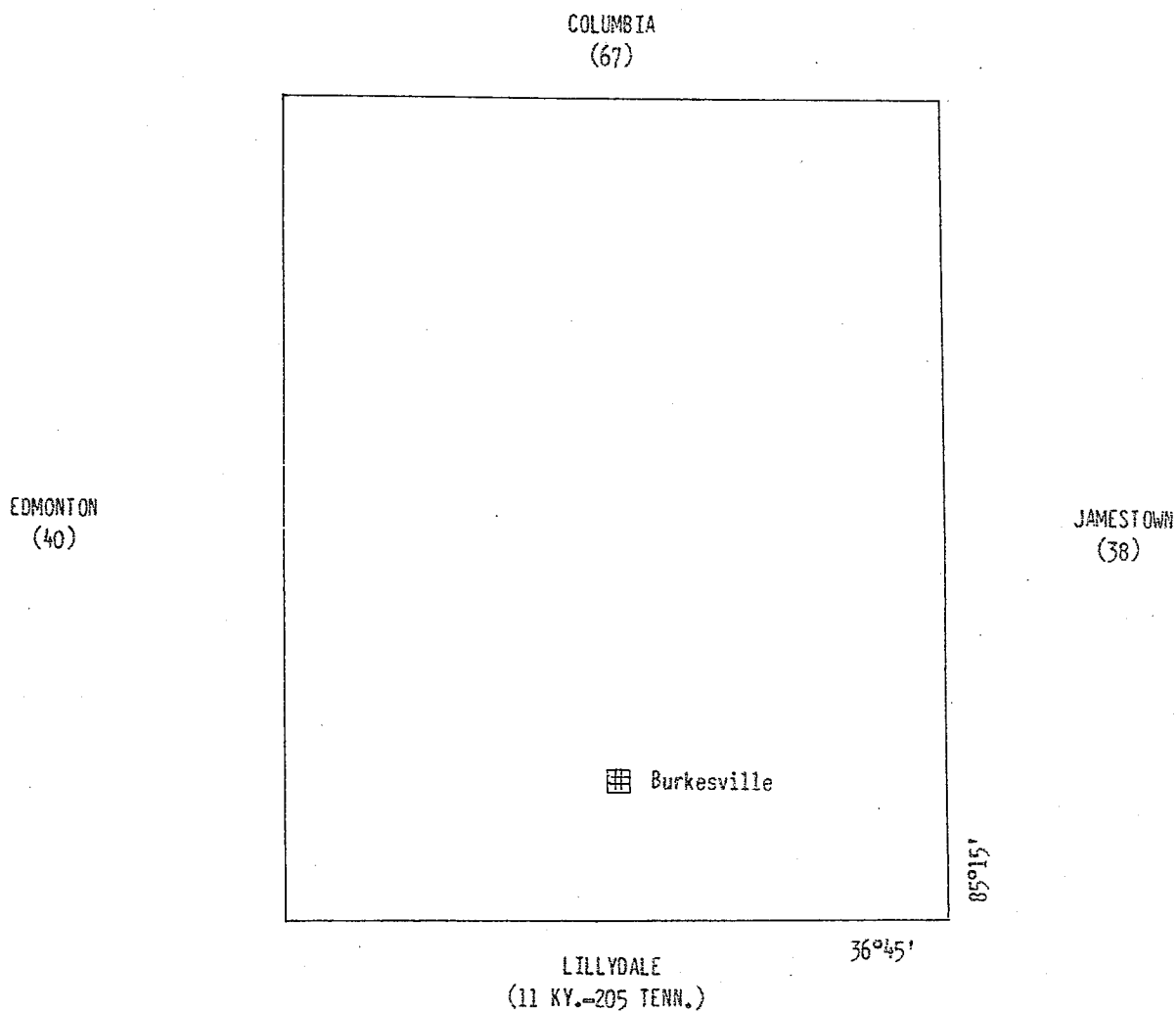
Adair, Cumberland, Metcalfe, and
Russell Counties

Edition of 7/27/76

PR: CRV/rmm

Plane coordinates are based on Lambert projection,
Kentucky, South Zone

Only the permanent marks are
listed for control classified
obsolete and are not shown on
sketch



DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

INDEX OF PERMANENT MARKS

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STATION	DESCRIPTION	LATITUDE	LONGITUDE
PLANE COORDINATES, FEET		° ' "	° ' "

The following positions are considered OBSOLETE. To be used only to locate permanent marks in the field.

By S. H. Moyers, 1926; Books C7673-79

Burkesville; 45 ft S. and 35 ft W. of S. door of courthouse; 7 ft E. of S. entrance to courthouse yard; 2 ft N. of concrete fence; in concrete post; standard tablet stamped "PRIM TRAV STA NO 19 M 1926"

X = 2,111,075	Y = 166,435	36 47 23.51	85 22 14.50
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Burkesville, 3.0 mi W. of; 28 ft S. and 10 ft E. of junction of rd. SW. to Leslie; 50 ft E. of small bridge; S. of fence; in concrete post; standard tablet stamped "PRIM TRAV STA NO 20 M 1926"

X = 2,099,088	Y = 166,551	36 47 25.10	85 24 41.85
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Arat; 0.4 mi S. of, 400 ft S. of store of J. E. Cary; 58 ft NE. of vacant store; 20 ft W. of centerline of rd.; 20 ft E. of branch; on grassy knoll; in concrete post; standard tablet stamped "PRIM TRAV STA NO 21 M 1926 RESET 1940"

X = 2,083,114	Y = 154,437	36 45 25.84	85 27 58.68
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By J. R. Harris, 1951; Book AH 260

Subtle, 0.2 mi SE. of post office, along dirt rd., thence 2.2 mi S. along dim mountain rd.; 0.4 mi N. of crossing of steel tower power transmission line; 0.3 mi N. of Metcalf-Cumberland County line; 55 ft NE. of, and 18 ft higher than centerline of rd.; 151 ft NNW. of N. corner of farmhouse of Mrs. L. Lloyd; 36 ft NE. of fenceline; in limestone ledge; NGS standard disk stamped "K 252 1951 708.929"

X = 2,074,056	Y = 199,634	36 52 53.00	85 29 48.50
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Subtle, 0.2 mi SE. of post office, along dirt rd., thence 2.5 mi S. along dim mountain rd., thence 0.5 mi S. along graveled rd.; 0.4 mi S. of crossing of steel tower power transmission line; 65 ft W. of, and 12 ft lower than centerline of rd.; 122 ft SW. of W. end of pipe culvert under rd.; 52 ft SSE. of SE. corner of small frame house; 47 ft SE. of well with pump; 7 ft E. of lone 12-in. sycamore tree; in SE. end of outcropping limestone ledge; NGS standard disk stamped "T 251 1951 650.281"

X = 2,074,354	Y = 195,471	36 52 11.83	85 29 44.97
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Marrowbone, 0.5 mi E. of school, along State Highway 90, thence 2.0 mi N. along graveled rd.; at Casey Fork School; 123 ft NW. of, and 4 ft higher than and across creek from centerline of rd.; 92 ft S. of well with pump; 31 ft SSE. of S. corner of school; 23 ft W. of lone 26-in. elm tree; in concrete post; NGS standard disk stamped "S 251 1951 620.789"

X = 2,073,154	Y = 190,868	36 51 26.35	85 29 59.88
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STATION DESCRIPTION
PLANE COORDINATES, FEET

LATITUDE
° ' "

LONGITUDE
° ' "

OBSOLETE MARKS (Cont'd.)

Marrowbone, 0.5 mi E. of school, along State Highway 90, thence 0.9 mi N. along graveled rd.; 1.1 mi S. of Casey Fork School; 0.1 mi S. of small house owned by Preston Bryant; 108 ft W. of, and 1 ft higher than and across creek from centerline of rd.; 7 ft S. of, and 2 ft lower than 12-in. triangle chiseled in vertical face of bluff; in small shelf of limestone bluff which forms W. bank of creek; NGS standard disk stamped "R 251 1951 597.489"

X = 2,073,908 Y = 185,837 36 50 36.58 85 29 50.78

Marrowbone, 0.5 mi E. of school, along State Highway 90; 50 ft NW. of junction of graveled rd. NE.; 15 ft NE. of centerline of hwy.; in NE. end of SE. concrete abutment of bridge over Casey Fork Creek; NGS standard disk stamped "H 251 1951 590.429"

X = 2,075,460 Y = 181,467 36 49 53.33 85 29 31.84

Waterview, 1.3 mi NW. of post office, along State Highway 90; about 1.5 mi SE. of Marrowbone; 98 ft N. of centerline of hwy.; at residence of Robert Williams; 52 ft SW. of SW. corner of house; 16 ft W. of 20-in. maple tree; 11 ft E. of 5-in. elm tree; in concrete post; NGS standard disk stamped "V 44 1935 589.746"

X = 2,079,535 Y = 178,146 36 49 20.38 85 28 41.83

Waterview, 1.1 mi SW. of junction of State Highway 90, along State Highway 100; 12 ft N. of, and level with centerline of hwy.; in N. end of W. concrete abutment of 30-ft bridge over German Branch; NGS standard disk stamped "M 252 1951"

X = 2,081,087 Y = 176,157 36 49 00.67 85 28 22.81

Waterview, 2.1 mi SW. of junction of State Highway 90, along State Highway 100; at S. end of curve with tangents extending S. and NE.; 14 ft W. of, and level with centerline of hwy.; in N. end of W. concrete headwall of culvert; NGS standard disk stamped "N 252 1951"

X = 2,077,480 Y = 172,814 36 48 27.71 85 29 07.28

Waterview, 3.2 mi SW. of junction of State Highway 90, along State Highway 100; 27 ft NW. of centerline of hwy.; 128 ft E. of, and across drive from NE. corner of residence of Ethel Rush; 88 ft N. of, and across drive from NW. end of pipe culvert under hwy.; 20 ft SE. of SE. corner of barn; 16 ft N. of centerline of drive; 11 ft NW. of N. end of 14-in. pipe culvert under drive; in concrete post; NGS standard disk stamped "P 252 1951"

X = 2,074,600 Y = 167,834 36 47 38.55 85 29 42.86

STATION DESCRIPTION
PLANE COORDINATES, FEET

LATITUDE
° ' "

LONGITUDE
° ' "

OBSOLETE MARKS (Cont'd.)

Arat, 1.4 mi NW. of; 0.5 mi N. of ferry over Cumberland River; 800 ft W. of school; 15 ft S. of centerline of rd.; 150 ft N. of E. end of large pond; 25 ft E. of 6-in. cedar tree; 15 ft NE. of gate; 2 ft N. of fence; in concrete post; standard tablet stamped "T 41 JRH 1951"

X = 2,077,586 Y = 157,898 36 46 00.22 85 29 06.49

Amandaville, 4.0 mi NE. of post office, along graveled rd.; 0.3 mi NE. of bridge over Dry Fork; 0.2 mi S. of Cumberland-Adair County line; 37 ft NW. of, and 4 ft higher than centerline of rd.; 27 ft SW. of centerline of drive to barn; 12 ft W. of power pole with transformer; 2 ft NE. of E. corner of barn; in concrete post; NGS standard disk stamped "H 242 1951 624.592"

X = 2,139,690 Y = 215,739 36 55 29.74 85 16 19.66

Amandaville, 3.1 mi NE. of post office, along graveled rd.; on small knoll at through cut; 24 ft S. of, and 3 ft higher than centerline of rd.; 357 ft W. of junction of rd. S.; 280 ft W. of S. end of 36-in. pipe culvert under rd.; 79 ft SE. of, and across rd. from triangular-blazed 7-in. walnut tree; 59 ft E. of fenceline S.; in concrete post; NGS standard disk stamped "M 250 1951 680.419"

X = 2,135,772 Y = 214,020 36 55 12.94 85 17 08.02

Amandaville, 0.2 mi S. of post office, along graveled rd., thence 2.2 mi E. along dim rd. following Puncheon Camp Creek, thence 0.2 mi NE. along dim trail to top of ridge; 5 ft W. of, and 3 ft higher than centerline of ridge rd.; 117 ft NNW. of junction of old rd. SW. to Puncheon Creek; 31 ft SSW. of, and across rd. from triangular-blazed 8-in. oak tree; in E. corner of limestone ledge; NGS standard disk stamped "J 250 1951 901.580"

X = 2,139,225 Y = 205,867 36 53 52.14 85 16 26.01

Ribbon, 0.1 mi N. of post office, along graveled rd., thence 1.8 mi NW. along dim rd. following Black Creek, thence 0.1 mi NW. along dim trail leading to top of ridge; 8 ft N. and 82 ft W. of, and 2 ft higher than centerline of rd. at crossing of dry wash; 50 ft N. of, and across rd. from center of small creek; 20 ft N. of, and across rd. from triangular-blazed 8-in. hickory tree; 18 ft SW. of triangular-blazed 8-in. poplar tree; in limestone outcrop; NGS standard disk stamped "H 250 1951 695.314"

X = 2,141,754 Y = 205,811 36 53 51.47 85 15 54.87

Forest Cottage, 6.7 mi N. of post office, along State Highway 379; 0.3 mi SW. of abandoned Winfreys Ferry landing on Cumberland River; 0.3 mi N. of cemetery; 255 ft NW. of centerline of hwy.; 192 ft E. of E. corner of residence of Duff Smith; 33 ft N. of lone 8-in. elm tree; 14 ft SW. of fenceline; 7 ft SW. of, and 4 ft higher than centerline of dim rd. NW.; in limestone outcrop; USED standard disk designated "PBM 11 584.930"

X = 2,145,979 Y = 196,284 36 52 17.05 85 15 03.48

STATION DESCRIPTION
PLANE COORDINATES, FEET

LATITUDE
° ' "

LONGITUDE
° ' "

OBSOLETE MARKS (Cont'd.)

Forest Cottage, 6.1 mi N. of post office, along State Highway 379; 0.4 mi N. of church; 20 ft E. of, and 2 ft higher than centerline of hwy.; 240 ft SE. of, and across hwy. from two-story white frame house; 152 ft S. of S. end of E. concrete headwall of box culvert; 8 ft W. of fenceline; 1 ft SW. of square bolt set in ledge; in limestone outcrop at N. end of cut; NGS standard disk stamped "J 249 1951 614,208"

X = 2,144,571

Y = 193,330

36 51 47.91

85 15 21.00

Forest Cottage, 5.0 mi N. of post office, along State Highway 379; 0.6 mi S. of church; 0.2 mi S. of dim cross-road; 16 ft E. of, and level with centerline of hwy.; in first stone step below headwall of SE. wingwall of stone culvert; NGS standard disk stamped "H 249 1951"

X = 2,145,631

Y = 187,789

36 50 53.07

85 15 08.31

Forest Cottage, 1.2 mi S. of, along State Highway 379, thence 0.6 mi W. along State Highway 90, thence 1.5 mi S.; 18 ft S. and 14 ft E. of centerline of rd. at junction of I-rd. E.; across rd. from barn; 4 ft SE. of fence corner; in concrete post; standard tablet stamped "T 44 JRH 1951"

X = 2,146,204

Y = 152,385

36 45 02.96

85 15 03.55